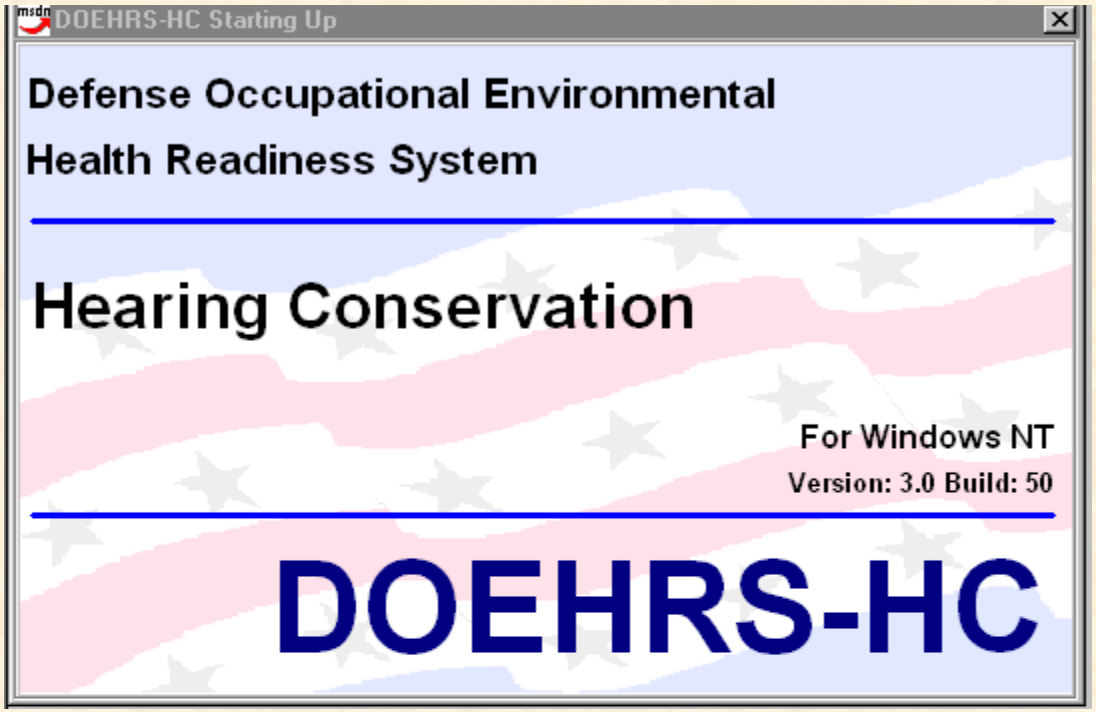
September 14, 2016

43rd Navy Occupational Health and Preventive Medicine Workshop

LT Joel R. Bealer, Naval Hospital Naples



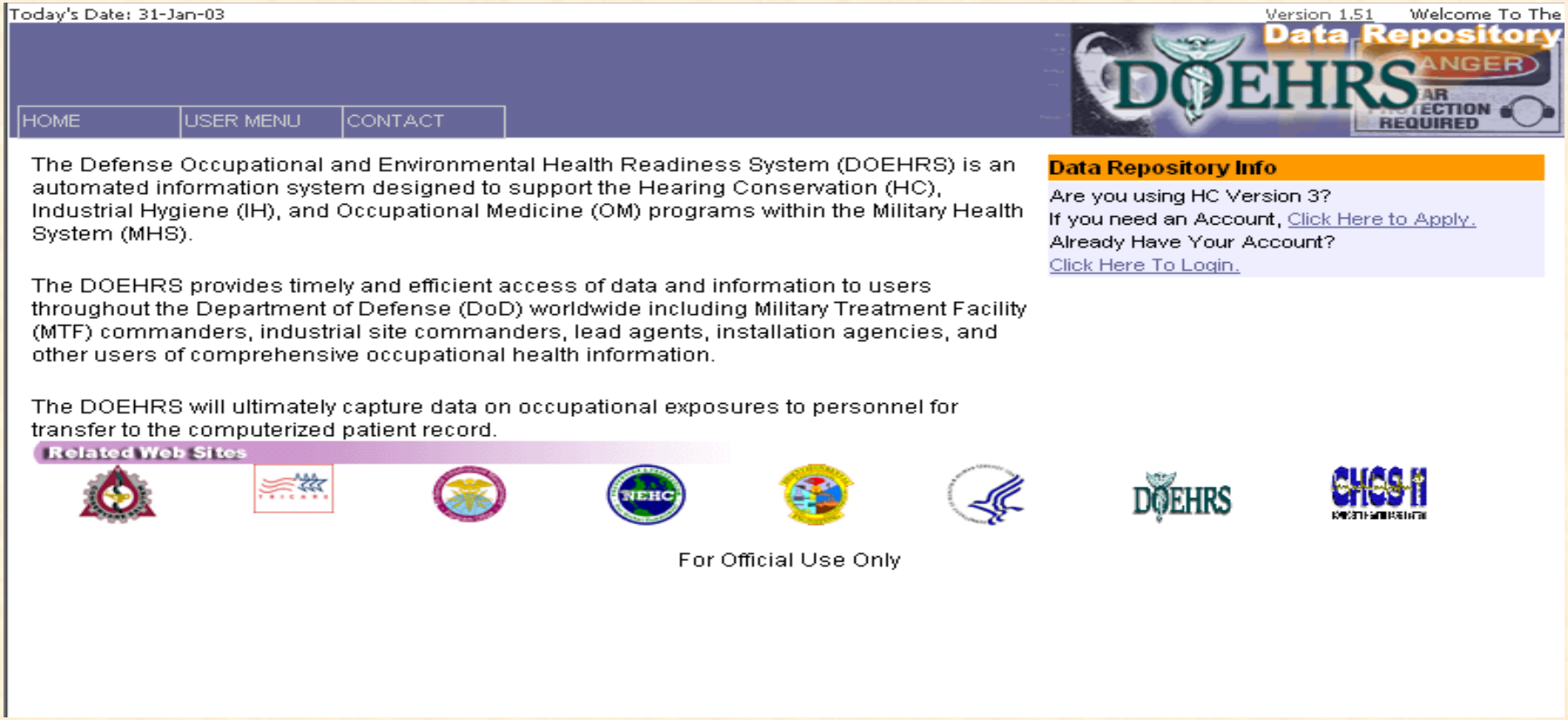
Hearing Conservation Data Analysis:

- 2001:
  - DOEHRS-HC able to look at over 24,000 records in CY 2000 alone.
  - Limited to local database
  - All records included in analysis
  - Fleet and Shore commands included.
- 2002:
  - Data Repository online!
  - Able to look at over 79,000 records for CY2000 and over 65,000 records for CY2001.
  - Limited reporting capability at this time.
- 2003:
  - Upgrades/ enhancements to DR.
  - Better reporting capabilities.
  - Version 3.0 of HC released with enhancements.
  - New Hardware deployment.
  - Improved compliance with data uploads.

Evaluation of Two HC Programs

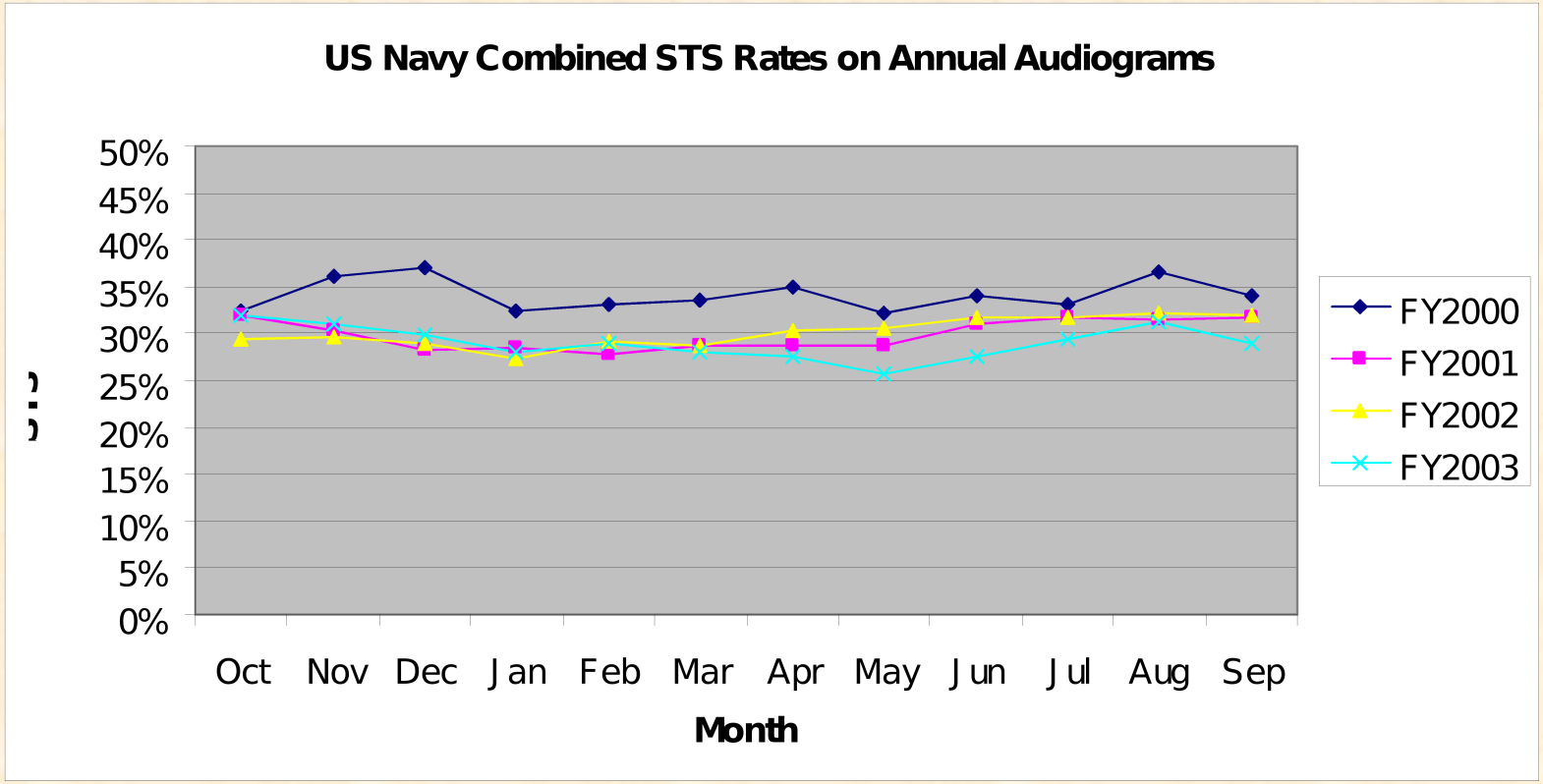
- At the end of FY03, the USS Abraham Lincoln had an STS rate of 35.11%.
  - In FY03, the mean STS rate for that class of ship (CVN's) is 25.55%.
  - The Lincoln has 1,179 annual audiograms uploaded to the DR for FY03 to date. Average ship complement is 3,200 sailors.
- At the end of FY03, the USS Emory S. Land had an STS rate of 17.24%.
  - In FY03, the mean STS rate for that class of ship (AS) is 10.34%.
  - The Land has 29 annual audiograms uploaded to the DR for FY03 to date. The average ship complement is 1,300 sailors.

DOEHRS Data Repository


Today's Date: 31-Jan-03
Version 1.51
Welcome To The
Data Repository
DOEHRS
HOME
USER MENU
CONTACT
The Defense Occupational and Environmental Health Readiness System (DOEHRS) is an automated information system designed to support the Hearing Conservation (HC), Industrial Hygiene (IH), and Occupational Medicine (OM) programs within the Military Health System (MHS).
The DOEHRS provides timely and efficient access of data and information to users throughout the Department of Defense (DoD) worldwide including Military Treatment Facility (MTF) commanders, industrial site commanders, lead agents, installation agencies, and other users of comprehensive occupational health information.
The DOEHRS will ultimately capture data on occupational exposures to personnel for transfer to the computerized patient record.
Data Repository Info
Are you using HC Version 3?
If you need an Account, Click Here to Apply.
Already Have Your Account?
Click Here To Login.
Related Web Sites
NEHC
DOEHRS
CHCS II
For Official Use Only

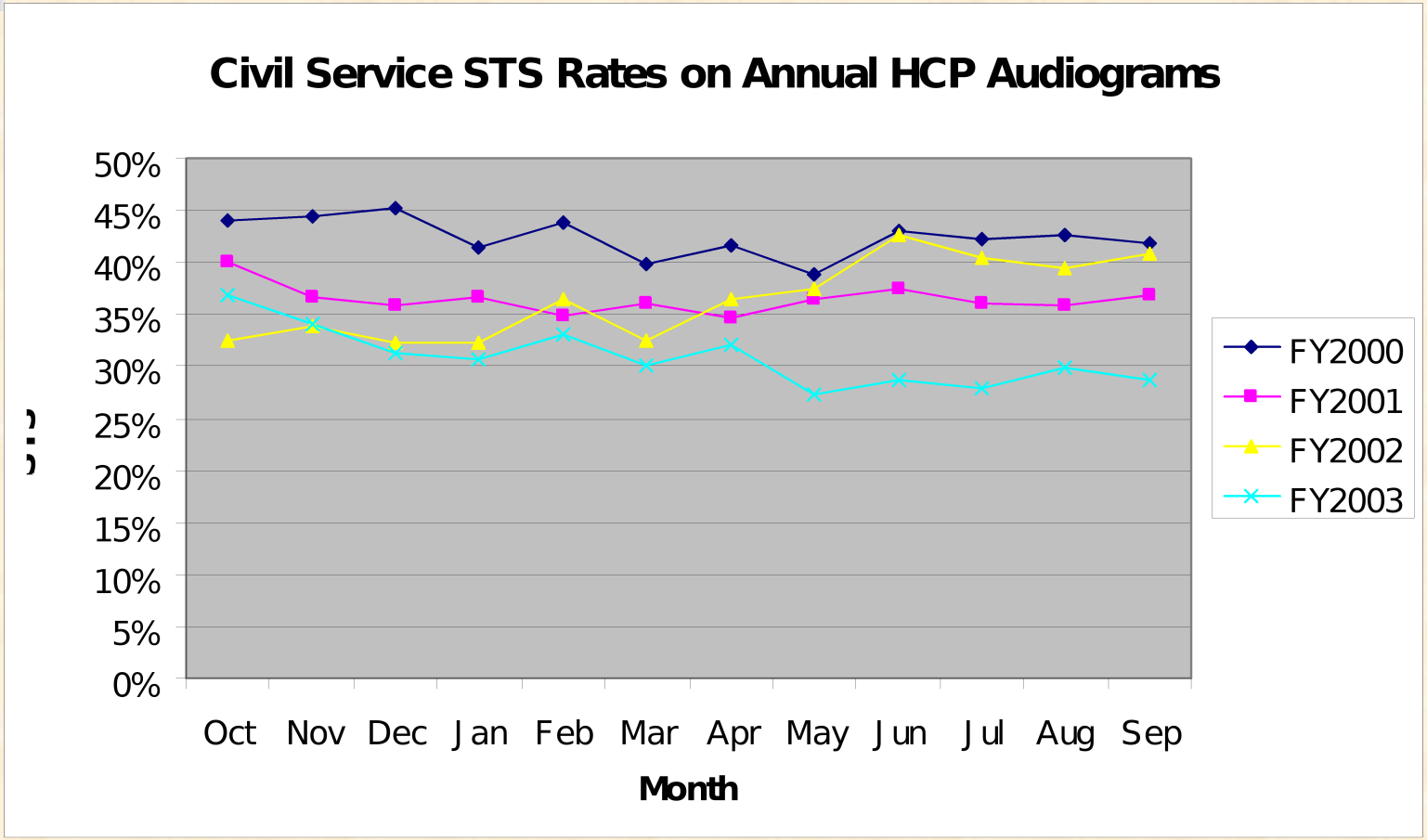
The Corporate View...

US Navy STS Rates



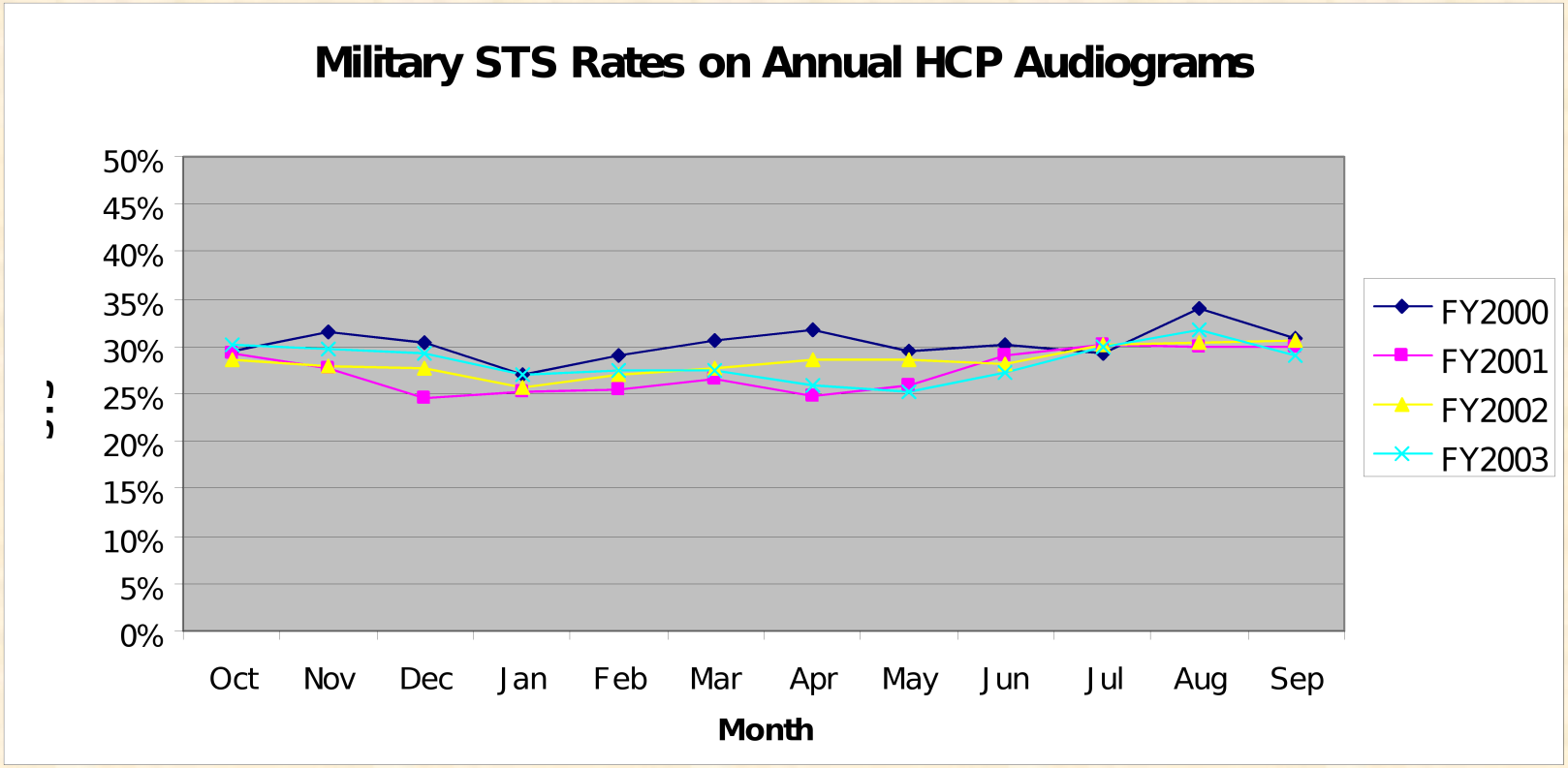
N=81,355 for FY2000, 119,205 for FY2001, 125,069 for FY2002, and 131,543 for FY2003 as of 11FEB04

Civil Service STS Rates



N=25,416 for FY2000, 31,848 for FY2001, 31,952 for FY2002, and 34,004 for FY2003 as of 11FEB04

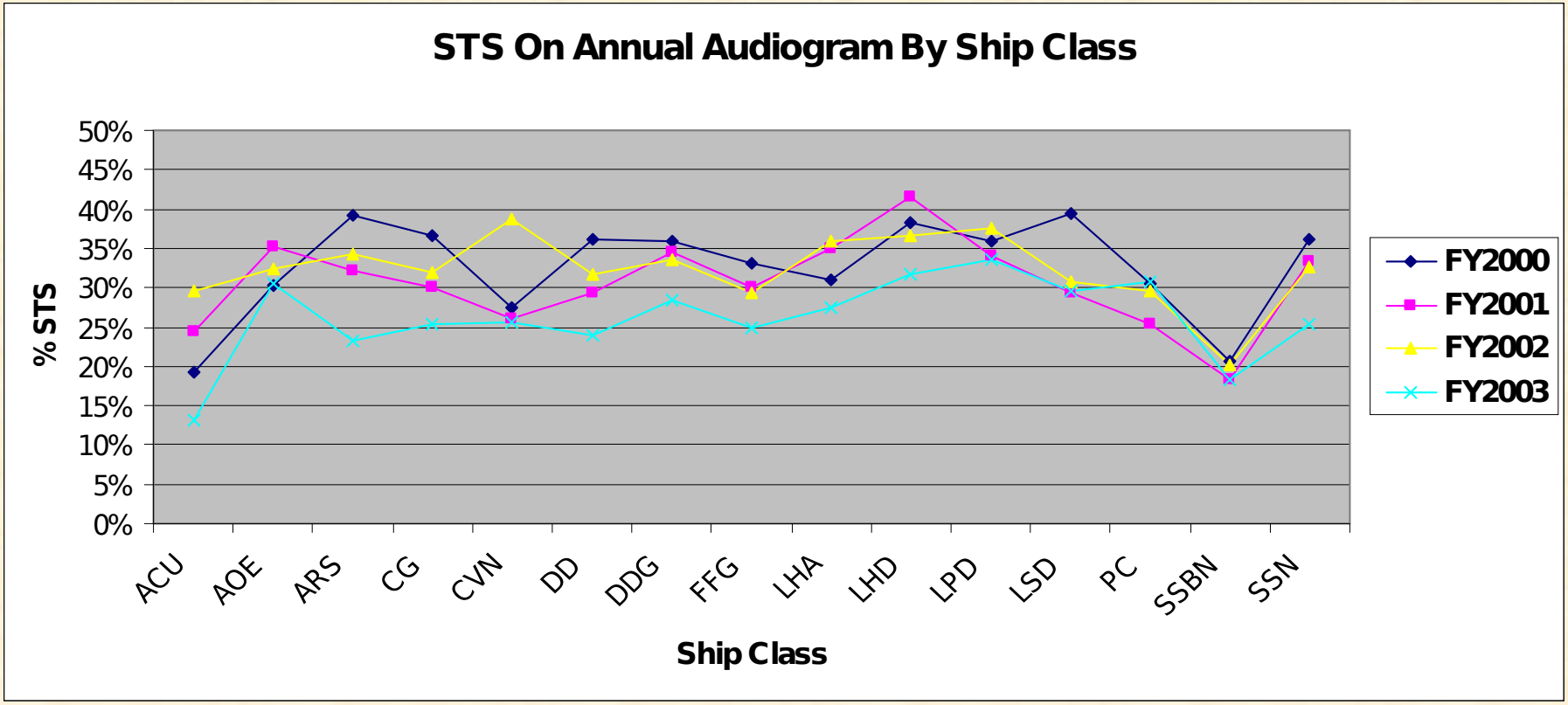
Military STS Rates



N=55,942 for FY2000, 87,357 for FY2001, 93,117 for FY2002, and 97,539 for FY2003 as of 11FEB04

Upon Closer Examination...

Fleet STS Rates



As of 13DEC03

Definitions

Example of Fleet Compliance

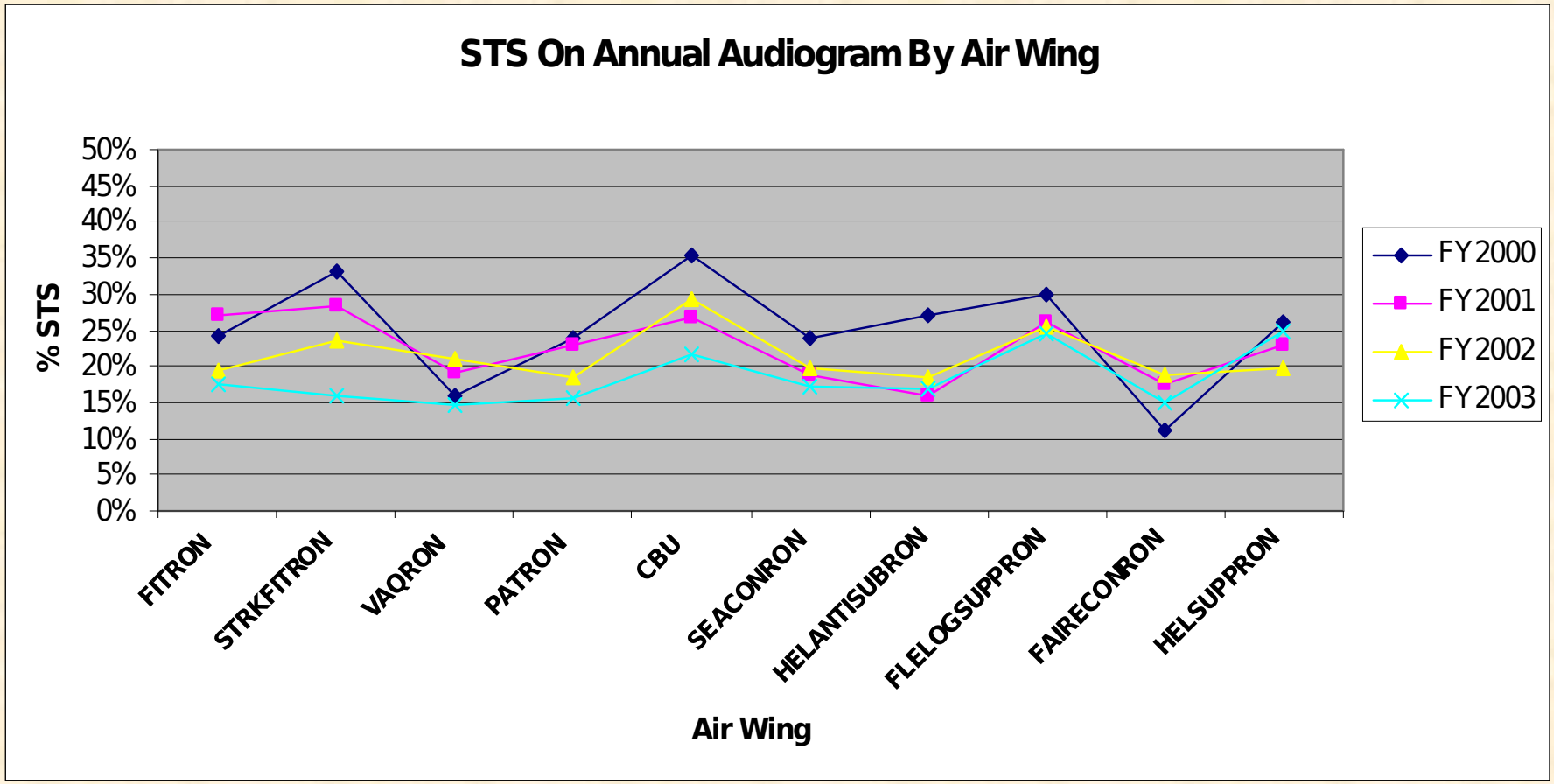
SSBN (18)			
FY	N	N w/ STS	**%STS**
2000	3313	683	20.62%
2001	3500	637	18.20%
2002	3775	765	20.26%
2003	2686	492	18.32%
Average Ships Company: 155 X 2 crews			

CV, CVN (12)			
FY	N	N w/ STS	**%STS**
2000	3653	1004	27.48%
2001	6478	1684	26.00%
2002	8485	3285	38.72%
2003	8435	2155	25.55%
Average Ships Company: 3,200			

SSN (57)			
FY	N	N w/ STS	**%STS**
2000	2227	803	36.06%
2001	3813	1270	33.31%
2002	3231	1056	32.68%
2003	2888	732	25.35%
Average Ships Company: 124			

DDG (49)			
FY	N	N w/ STS	**%STS**
2000	1798	647	35.98%
2001	2908	1000	34.39%
2002	3110	1045	33.60%
2003	2354	666	28.29%
Average Ships Company: 323			

Air STS Rates



As of 13DEC03

In The Weeds…

- Navy STS Rates by FY and Paygrade.
  - Navy STS Rates by FY and SDOC.

Future Endeavors...

Metric Calculations

- Compliance:
  - # patients tested annually divided by the number enrolled in the HCP.
- Incidence of STS:
  - # of patients demonstrating an STS on an annual audiogram divided by the number of patients receiving an annual audiogram.

The Proposal

- Develop a dynamic metric for the evaluation of HC Programs.
- Develop a plan for ensuring data integrity at the DR.
- Develop action teams to evaluate local programs that perform significantly below standards.
- Develop awards program for exemplary performance.

the evaluation of HC Programs

- STS rates from the DOEHRS DR
- Utilize “SEG’s”
- Incorporate unique qualities of each service.
  - i.e. Compare an aircraft carrier to the mean STS rates for all aircraft carriers.

Develop a plan for ensuring data integrity at the DR

- Periodic assessment of local database counts compared to numbers generated by the DR.
  - Records uploaded
  - Positive and negative shifts
  - Formulas for calculating STS rates

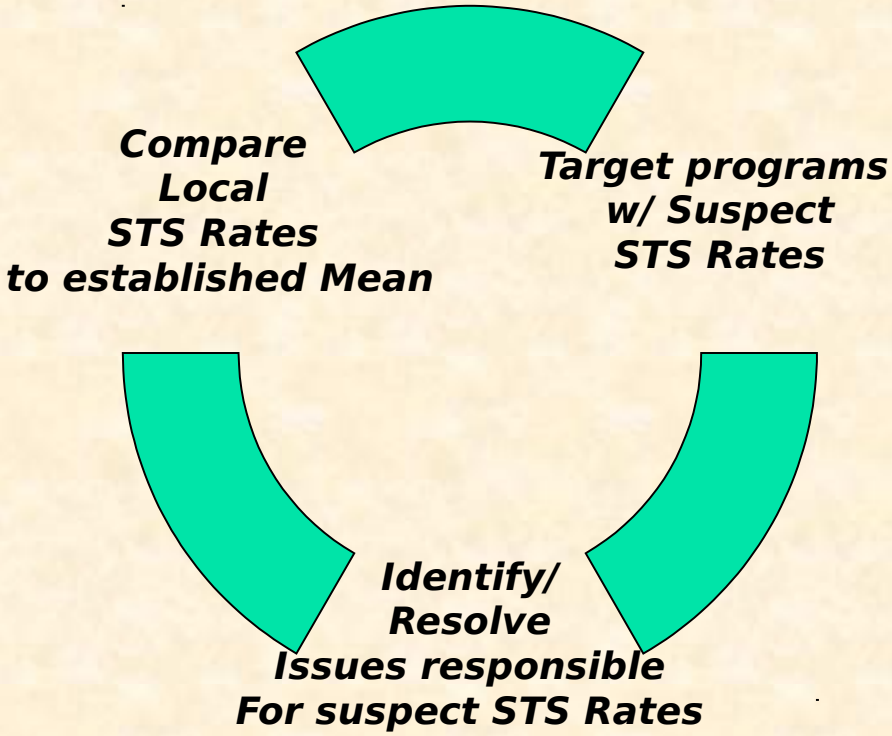
Develop action teams to evaluate local programs that perform significantly below the mean

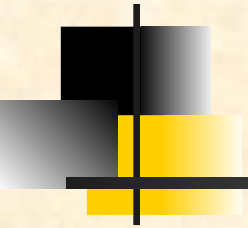
- Teams developed through NEHC.
- Team members:
  - Well versed in HC Instructions
  - Fluent with DOEHRS-HC
  - Access to DR and DR Reports
  - Other

Develop Awards Program for Exemplary Performance

- Criterion based
- Maximize publicity
  - Navy Times, local publications, National Conventions

The Process…


Compare
Local
STS Rates
to established Mean
Target programs
w/ Suspect
STS Rates
Identify/
Resolve
Issues responsible
For suspect STS Rates



Questions...